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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/626,025

Filing Date

July 24, 2003

First Named Inventor

Karl Hakan Torbjorn GARDENFORS

Art Unit

2635

Examiner Name

Brian A. Zimmerman

Attorney Docket Number

0119-200.02

ENCLOSURES (Check all that apply)☐

Fee Transmittal Form

☐

Fee Attached

☐

Amendment/Reply

☐

After Final

☐

Affidavits/declaration(s)

☐

Extension of Time Request

☐

Express Abandonment Request

☐

Information Disclosure Statement

☐

Certified Copy of Priority Document(s)

☐Reply to Missing Parts/
Incomplete Application☐Reply to Missing Parts
under 37 CFR 1.52 or 1.53☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐Petition to Convert to a
Provisional Application☐Power of Attorney, Revocation
Change of Correspondence Address☐

Terminal Disclaimer

☐

Request for Refund

☐

CD, Number of CD(s) _____

☐ Landscape Table on CD

Remarks

☐

After Allowance Communication to TC

☐Appeal Communication to Board
of Appeals and Interferences☐Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐

Proprietary Information

☐

Status Letter

☒Other Enclosure(s) (please identify
below):

Letter; Stamped Return Receipt Postcard

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Potomac Patent Group, PLLC

Signature

Printed name

Steven M. duBois

Date

March 15, 2006

Reg. No.

35,023

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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Steven M. duBois

Date

March 15, 2006

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Patent
Attorney's Docket No. 0119-0200.02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Karl Hakan Torbjorn GARDENFORS) Group Art Unit: 2635
Application No.: 10/626,025) Examiner: Brian A. Zimmerman
Filed: July 24, 2003)
For: RADIO TRANSCEIVER ON A CHIP)

LETTER RE IDS

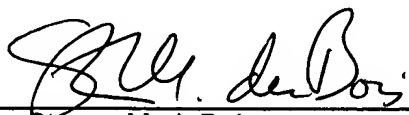
Commissioner for Patents
Alexandria, VA 22313-1450

Sir:

Further to the Information Disclosure Statement filed on February 27, 2006, the undersigned hereby informs the Examiner that Korean Laid-Open Publication No. 10-1996-700580 is relevant because it was cited by the Korean Intellectual Property Office in a Preliminary Rejection received in a counterpart to the above-identified U.S. Patent Application family. A copy of a letter from Choi, Kim & Partners (dated March 17, 2005) accompanying this Preliminary Rejection is submitted herewith to further explain the relevance of this document.

Accordingly, the Examiner is respectfully requested to consider and make of record this document and return an initialed copy of the previously submitted form PTO-1449 indicating such.

Respectfully submitted,
POTOMAC PATENT GROUP PLLC

By: 
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Registration No. 35,023

Date: March 15, 2006

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(Total Pages: 7)

March 17, 2005

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COPY

Re Korean Patent Application No. 1999-7007373
Applicant: Telefonaktiebolaget LM Ericsson (publ)
Your Ref: 34650-00179KRPT
Our Ref: P-7556
Response Due Date: April 18, 2005

Dear Ms. Godzisz:

Regarding the above-identified application, we received a Notice of Preliminary Rejection issued on February 18, 2005 from the Korean Intellectual Property Office (KIPO) stating the following reason(s):

Since the invention described in claims 1-22 of this application is considered to have been easily derived from the teachings of the following cited references published prior to the filing date of this application by a skilled person in the art for the reason(s) as described below, this application cannot be patented under the provision of Article 29 (2) of the Korean Patent Law.

- below -

The technology of the present invention is characterized by fabricating a transmitter/receiver (transceiver) being used in a mobile communication terminal as a single semiconductor chip. In connection with this, Korean Laid-Open Publication No. 10-1996-700580 (Jan. 20, 1996; hereinafter, referred to as the cited reference) also discloses the technology regarding the communication system processing a transmitting frequency and a receiving frequency. Upon reviewing the present invention and the cited reference in detail,

They are similar in view of the technical matters to deal with circuit elements being used in a radio communication.

- 2 The core technical matters of the cited reference and the present invention are 'packaging' and 'fabricating a transceiver as a single IC chip', respectively, and at the same time, there can be a core difference in these technical matters. However, since the 'packaging' of the cited reference and 'fabricating a transceiver as a single

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IC chip of the present invention are similar in view of the technical object, the function and the effects resulted from the two technologies are not remarkably different.

3. Also, the technology of the present invention to fabricate a transceiver as a single IC chip corresponds to a LSI technology. The LSI technology is a common technique in an electronic circuit apparatus. Therefore, it is not considered that simply fabricating a transceiver as a IC chip in a communication system shows technical features. That is, although it is requested that the present invention should specify the technical problems to overcome a certain difficulty during the LSI of a communication system, such features of the present invention cannot be found.

In other words, the present invention is simply LSI of the communication system of the cited reference. Therefore, such feature to fabricate a transceiver as a single IC chip over the existing system is under the range that a person having ordinary skill in the art to which this invention pertains may exhibit his usual creativity and thus, the present invention is considered to be easily derived from the cited reference.

Attachments: A copy of the cited reference

Our Remarks:

This reason for rejection is that all claims of the present invention can be easily derived by a person having ordinary skill in the art from Korean Laid-Open Publication No. 10-1996-700580 (hereinafter, referred to as the cited reference). Please note that the cited reference corresponds to International Publication No. WO 95/15621 (International Application No. PCT/IB94/00355). For your reference, we are enclosing herewith a copy of the coversheet of WO 95/15621.

In this regard, upon reviewing the present invention and the cited reference, we found that while the present invention relates to an architecture of a radio transceiver for fabricating the radio transceiver on a single IC chip, the cited reference is to provide a telecommunication system in which transceivers fulfill the requirements of Authorities as to receiver spurious responses.

From the above comparison, we learned that the cited reference does not relate to an architecture of a radio transceiver, as shown in the present invention, and furthermore, it does not disclose the constitutions as shown in claim 1 of the present invention, i.e., a down-conversion section, a bandpass filter, a discriminator, an up-conversion section and a shaping filter. Therefore, we are of the opinion that the present invention is different from the cited reference in view of the constitution.

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Notwithstanding, as far as the Examiner negated an inventive step of the present invention over the cited reference, the differences between the present invention and the cited reference must be compared and explained in detail. Therefore, please provide us with your explanation on the differences between the present invention and the cited reference in the respective viewpoints of the purpose, the constitution and the acting effects.

Meanwhile, upon reviewing the present invention and the corresponding U.S. Patent No. 6,633,550 we found that the constitution of the present invention and the relationship thereof are more concretely described in the U.S. claims than the present claims. Therefore, in order to expedite the examination prosecution, we suggest replacing the claims 1-22 of the present invention with those 1-17 of the corresponding U.S. Patent No. 6,633,550. After considering our suggestion, please provide us with your instructions on this matter.

The deadline for filing a Response is April 18, 2005. This deadline can be extended for one month each time upon payment of an official fee.

We look forward to receiving your response at your earliest convenience.

Very truly yours,

JCS/cyc

Jang-Chan Suh

Enclosures: 1. A copy of the Notice of Preliminary Rejection
 2. A copy of the cited reference
 3. A copy of the coversheet of WO 95/15621